

Title (en)
SINGLE-CORE SELF-COUPLED INDUCTOR DEVICE

Title (de)
SELBSTGEKOPPELTE SINGLE-CORE-INDUKTORVORRICHTUNG

Title (fr)
DISPOSITIF INDUCTEUR AUTOCOUPLE À NOYAU UNIQUE

Publication
EP 2824788 A1 20150114 (EN)

Application
EP 13757312 A 20130308

Priority
• ES 201230342 A 20120308
• ES 2013070147 W 20130308

Abstract (en)
Single-core self-coupled inductor that offers an advantageous distribution of gaps (3) for controlling and modifying the leakage of the magnetic flux, with at least one primary inlet inductance (11) self-coupled to a primary outlet inductance (12) and an adjacent secondary inductance (13). There is a magnetic core (2) composed of primary columns (22), a secondary column (24), an upper primary yoke (21), a lower secondary yoke (25) and a central common yoke (23).

IPC 8 full level
H02J 3/01 (2006.01); **H01F 27/24** (2006.01); **H01F 27/38** (2006.01); **H01F 37/00** (2006.01)

CPC (source: EP US)
H01F 3/14 (2013.01 - EP US); **H01F 27/24** (2013.01 - EP US); **H01F 27/385** (2013.01 - EP US); **H01F 37/00** (2013.01 - EP US);
H02J 3/01 (2013.01 - EP US); **Y02E 40/40** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2824788 A1 20150114; **EP 2824788 A4 20150318**; ES 2425300 A1 20131014; ES 2425300 B1 20140812; US 2015054611 A1 20150226;
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EP 13757312 A 20130308; ES 201230342 A 20120308; ES 2013070147 W 20130308; US 201314383277 A 20130308